Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Sunday 31 Jan 2021 until 23:59 on Monday 01 Feb 2021

Forecast Issued on Saturday 30 Jan 2021 at 10:41

Confidence: High for cold but dry weather on Sunday and Monday then for unsettled conditions from Tuesday onwards with periods of sleet or snow. Some uncertainty in snow heights, especially from Wednesday.

Headline for Sunday 31 Jan 2021: Very cold but dry and bright. Windy on the tops.

Mountain weather hazards on Sunday 31 Jan 2021

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** High Likelihood	**Poor visibility** No Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Partly cloudy (night)	Partly cloudy (night)	Clear night	Sunny intervals	Sunny intervals	Sunny intervals	Partly cloudy (night)	Cloudy
Precipitation probability							
<05%	<05%	<05%	<05%	<05%	<05%	<05%	<05%

Forecast for Sunday 31 Jan 2021

Weather: Widespread frost. Dry with long bright or sunny spells but some high cloud coming over in the afternoon and evening. Feeling bitterly cold on the tops in the easterly breeze.

Chance of cloud free mountain/hill tops above 800m: 95%.

Visibility: No issues. Very good visibility at all elevations.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Forecast for Sunday 31 Jan 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	27/33 E	23/31 E	22/31 E	26/34 SE	26/35 SE	26/34 SE	25/34 E	25/34 E	21/32 E
600	20/29 E	16/24 E	16/25 E	22/32 SE	19/29 SE	19/29 SE	20/30 E	22/33 E	21/33 E
300	6/21 E	4/15 E	5/15 E	7/20 SE	11/25 SE	9/22 SE	8/22 E	9/24 E	10/23 E
Valley	4/10 NE	3/12 E	3/12 E	6/18 E	8/19 E	8/19 E	10/22 E	10/23 E	11/22 E

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-4/-12	-4/-12	-4/-12	-4/-13	-4/-13	-4/-13	-4/-13	-4/-12	-4/-12
600	-2/-9	-3/-9	-3/-10	-3/-10	-2/-9	-2/-9	-3/-10	-3/-10	-3/-10
300	-1/-4	-1/-4	-1/-4	-1/-4	1/-4	1/-3	-0/-4	-1/-5	-1/-5
Valley	1/-1	0/-2	0/-2	1/-2	3/-0	3/-0	2/-2	2/-3	1/-3
Freezing Level*	100m	00m	00m	00m	200m	200m	100m	00m	00m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

A dry but bitterly cold day on the fells. Valley temperatures down to Minus 4C early morning.

Forecast for Monday 01 Feb 2021

Weather: Dry with long bright or sunny spells but still feeling bitterly cold. High cloud will spread across at times, becoming thicker during the evening.

Maximum wind: Easterly 20 gusts 30mph. Severe wind chill.

Chance of cloud free mountain/hill tops above 800m: 95%.

Visibility: No issues. Very good visibility at all elevations

Temperature: **Valleys:** Minus 2 or 3C rising to 3C.
At 800m: Minus 3C.
Freezing level: Ground expected to be frozen down to valley level.

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Saturday 30 January, Location: Helvellyn summit at 12:10.

We are continuing to provide the Fell Top Reports for people undertaking their daily local exercise during the lockdown. We would like to remind everyone that Government guidance stipulates that people should only exercise locally, not leaving the village, town or city where they live.

A pleasant change is that below 500m many paths, especially pitched ones, were dry! Above 400m there were patches of ice on paths especially on drainage lines or flatter ground where water had frozen in the overnight frost or where old snow has been compacted and the frequency of such slippery ground increased with altitude. The main snow line is around 700m; however depth and coverage varies enormously from little or nothing on windswept areas, such as parts of the summit plateau, to deep drifts able to swallow a 70cm ice axe – although such depth is the exception. The largest accumulations of snow are to be found on E and N facing aspects. The snowpack on Friday was mainly wet and with a hard overnight and daytime frost, this snow is now hard, icy and treacherous for anyone without proper winter equipment. Cracks have appeared in some of the cornices that exist above N and E facing slopes, so please keep well clear of such edges and advise those with less experience to do likewise. Upland tarns, such as Red Tarn, have partially frozen and may possibly be completely frozen on Sunday but will be unsafe to walk on. The coldest summit windchill measured so far this season (of minus 17 degrees C) was recorded around midday today, so full winter clothing (waterproofs, extra warm layers, hat & gloves), mountain boots and equipment are all essential for anyone going out onto the fells. It was disappointing to see some people out today dressed in trainers and without additional clothing. Given the large amount of ice and hard snow above 700m, it is unfortunately all too easy to turn an ankle. For thinner ice on paths, microspikes and poles are extremely useful. For those venturing above the snowline and attempting, or traversing, exposed ground an ice axe and crampons are essential. Striding Edge was lulling people into a false sense of security today as its crest is mainly bare rock. Its exit, however, is guarded by a bank of steep, deep, unavoidable hard snow and ice. There are steps cut into it and were being used by people without crampons and ice axes. Although this can be done, a slip without the means to stop yourself could have extremely serious consequences; please be conservative with your plans, know your limits and know when to turn back. A pandemic is not the time to be pushing your comfort zone.

Temperature: minus 4.6C, Maximum wind speed 46.7mph Wind chill: minus 17.1C, Average wind speed: 35.4mph.

Issued at: 1730 on Sat 30 Jan 2021

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